 Nucleotide

PubMed Nucleotide Protein Genome Structure PMC Taxonomy OMIM Boo

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Limits Preview/Index History Clipboard Details

Show:

☐ 1: H02533. yj40f11.r1 Soares...[gi:865466]

[Links](#)

#### IDENTIFIERS

dbEST Id: 262413  
EST name: yj40f11.r1  
GenBank Acc: H02533  
GenBank gi: 865466  
GDB Id: 563320

#### CLONE INFO

Clone Id: IMAGE:151245 (5')  
Insert length: 739  
DNA type: cDNA

#### PRIMERS

Sequencing: M13RP1  
PolyA Tail: Unknown

#### SEQUENCE

```
TTTTACTGCACAATTCACAAGCATGTTTTCTGGTGAATTGGACTGAAAATTACATTTTG  
ACAACTTTTTTTCTTTTATCCCCAAGTTTTGCCAGAAAGCAGAAAAATGCTCTATTTTT  
ATAAAGAAAGATTAAATTCTCCAATGATATTTTAAAAAATATCAACCTACATGCACCTTA  
GAATGTAAAATAACAATGACTATTTTAACTCGAAGACCCACTATTTTGAGTATTTTTTA  
TAGACTTTAAATACTGGGTTTTTTCTCTCAATCTCAGGGCTTTTCTCCATCTTTTA  
AGGCAGCCTCTGTAAGTCCCTTTTGTCCATAGGTGTTGCGTGCCTCTGCATCTGTGGGG  
AAGTATTATTTAAATAAAATTTATGTTACAGGGATAACTTTATTTTAANGGGGCNGGGGC  
TTGTCTATACACAAGGGTATGTATG
```

Quality: High quality sequence stops at base: 331

Entry Created: Jun 20 1995

Last Updated: Jun 20 1995

#### COMMENTS

Insert Size: 739  
High quality sequence stops: 331  
Source: IMAGE Consortium, LLNL  
This clone is available royalty-free through LLNL ; contact  
the IMAGE Consortium ([info@image.llnl.gov](mailto:info@image.llnl.gov)) for further  
information.

#### LIBRARY

Lib Name: Soares placenta Nb2HP  
Organism: Homo sapiens  
Sex: Female  
Organ: placenta  
Develop. stage: placenta obtained at birth (full term)  
Lab host: DH10B (ampicillin resistant)  
Vector: pT7T3D (Pharmacia) with a modified polylinker  
R. Site 1: Not I

R. Site 2: Eco RI  
Description: 1st strand cDNA was primed with a Not I - oligo(dT) primer [5' AACTGGAAGAATTCGCGCCGCAGGAATTTTTTTTTTTTTTTTTTTT 3'], double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of the modified pT7T3 vector. Library went through one round of normalization. Library constructed by Bento Soares and M.Fatima Bonaldo.

**SUBMITTER**

Name: Wilson RK  
Institution: Washington University School of Medicine  
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108  
Tel: 314 286 1800  
Fax: 314 286 1810  
E-mail: [est@watson.wustl.edu](mailto:est@watson.wustl.edu)

**CITATIONS**


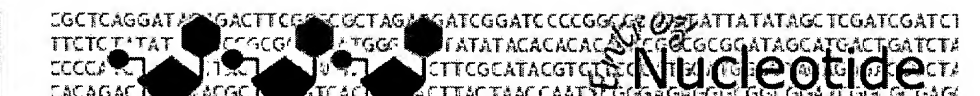
Title: The WashU-Merck EST Project  
Authors: Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P., Wilson,R.  
Year: 1995  
Status: Unpublished

**MAP DATA**

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Jul 8 2003 12:22:35

  **Nucleotide**

PubMed Nucleotide Protein Genome Structure PMC Taxonomy OMIM Boo

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Show:

☐ 1: AA010665. ze19f06.s1 Soares...[gi:1471692]

[Links](#)

#### IDENTIFIERS

dbEST Id: 621531  
EST name: ze19f06.s1  
GenBank Acc: AA010665  
GenBank gi: 1471692  
GDB Id: 1276003

#### CLONE INFO

Clone Id: IMAGE:359459 (3')  
Source: IMAGE Consortium, LLNL  
Insert length: 495  
DNA type: cDNA

#### PRIMERS

Sequencing: mob.REGA+ET  
PolyA Tail: Unknown

#### SEQUENCE

```
TTTTTTTTTTCAAAGAAACACTAGCAATTTATTGATTTTCTCTATTTCCAAAAAAGCAA  
ATACATTAGTGTATCACACAAGGAACTGGGCCTGGCCGGCACAAGGTTCTCTACAAAC  
ATGAAGCAAGGGGAAGGTGGGCTACAGGGAAGCTCCAAGATCCCTCACAGCAGCCCCCGG  
TTCCCTTCCCTGCCCACCCAGCCGAGTCTTGGTCCTGCCAGCCAGTTCAGCCAGATTC  
CAAGGTGGACATGCAGACAGCAACACTGCCTCTTGGGTCCCCAGGAGGAGTGTGGAGTCA  
GGGCTGCTAGTGTGGTCCCCACTGCAGAGGTGGCTGGTGGCCAATGACTGGATTTGTCAT  
TGGCCGCTAGCACAGGAGATCCCAGGGCAGAGTCTGTGTCCTT
```

Entry Created: Jul 16 1996  
Last Updated: Nov 29 1996

#### COMMENTS

This clone is available royalty-free through LLNL ; contact the IMAGE Consortium ([info@image.llnl.gov](mailto:info@image.llnl.gov)) for further information.

#### LIBRARY

Lib Name: Soares\_fetal\_heart\_NbHH19W  
Organism: Homo sapiens  
Sex: unknown  
Organ: heart  
Develop. stage: 19 weeks  
Lab host: DH10B (ampicillin resistant)  
Vector: pT7T3D (Pharmacia) with a modified polylinker  
R. Site 1: Not I  
R. Site 2: Eco RI  
Description: 1st strand cDNA was primed with a Not I - oligo(dT) primer [5' TGTTACCAATCTGAAGTGGGAGCGGCCGCATCTTTTTTTTTTTTTTTTTTTT 3'], double-stranded cDNA was size selected, ligated to Eco RI

adapters (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of a modified pT7T3 vector (Pharmacia). Library went through one round of normalization to a Cot = 5. Library constructed by M.Fatima Bonaldo. This library was constructed from the same fetus as the fetal lung library, Soares fetal lung NbHL19W.

**SUBMITTER**

Name: Wilson RK  
Institution: Washington University School of Medicine  
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108  
Tel: 314 286 1800  
Fax: 314 286 1810  
E-mail: [est@watson.wustl.edu](mailto:est@watson.wustl.edu)

**CITATIONS**


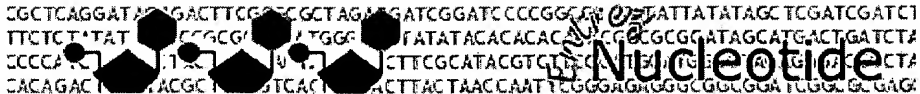
Title: The WashU-Merck EST Project  
Authors: Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,  
Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.,  
Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,  
Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P.,  
Wilson,R.  
Year: 1995  
Status: Unpublished

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  Nucleotide

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Show:

☐ 1: N69022. za71f10.s1 Soares...[gi:1225183]

Links

#### IDENTIFIERS

dbEST Id: 475103  
EST name: za71f10.s1  
GenBank Acc: N69022  
GenBank gi: 1225183  
GDB Id: 1242949

#### CLONE INFO

Clone Id: IMAGE:298027 (3')  
Source: IMAGE Consortium, LLNL  
DNA type: cDNA

#### PRIMERS

Sequencing: m13 -40 forward  
PolyA Tail: Unknown

#### SEQUENCE

```
CAAGCCATGAAAAGCCTTTTAAATGACAATTGGCATCACAGGTATAAATAAATATCTTCTT
CTTTCCATCTATAATATGTGCTACAAATATATTTTTTCAAAGGTCCAACCCAGGTTAGGAG
GCTTCAAGGACCCCTTTCTTAGCTACTGATTTTGTAGTAATTAATAAATAAATAAATAA
ACCCCTGGCATCTTTGTGAGCGCCCCCTGCGGAGAGCATCGAGGGCTGTCAGGCATCTT
CCTCCTGCAGCCGCAGCCAATGGAGCACACGGAGAAGTGGAGTCAGGTGATCACGAAGGG
GCTTATTTCACTGGGCGTGGTCTACGTTGCCACATGTGTGCTTTGGGATGAATGCATTT
TTTNCATGTGCTGCTTACACAATTATGCTGGTTCCAAAAACACAGTTGGATTGGACAAT
CTAACATAGGATTTTAAATCCTTAGAGGT
```

Quality: High quality sequence stops at base: 307

Entry Created: Mar 13 1996  
Last Updated: Mar 13 1996

#### COMMENTS

This clone is available royalty-free through LLNL ; contact the IMAGE Consortium ([info@image.llnl.gov](mailto:info@image.llnl.gov)) for further information.

#### LIBRARY

Lib Name: Soares\_fetal\_lung\_NbHL19W  
Organism: Homo sapiens  
Organ: lung  
Develop. stage: 19 weeks  
Lab host: DH10B (ampicillin resistant)  
Vector: pT7T3D (Pharmacia) with a modified polylinker  
R. Site 1: Not I  
R. Site 2: Eco RI  
Description: 1st strand cDNA was primed with a Not I - oligo(dT) primer [5'-TGTTACCAATCTGAAGTGGGAGCGGCCGCAATTTTTTTTTTTTTTTTTT-3'], double-stranded cDNA was size selected, ligated to Eco RI

adapters (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of a modified pT7T3 vector (Pharmacia). Library went through one round of normalization to a Cot = 5. Library constructed by Bento Soares and M.Fatima Bonaldo. This library was constructed from the same fetus as the fetal heart library, Soares fetal heart NbHH19W.

**SUBMITTER**

Name: Wilson RK  
Institution: Washington University School of Medicine  
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108  
Tel: 314 286 1800  
Fax: 314 286 1810  
E-mail: [est@watson.wustl.edu](mailto:est@watson.wustl.edu)

**CITATIONS**


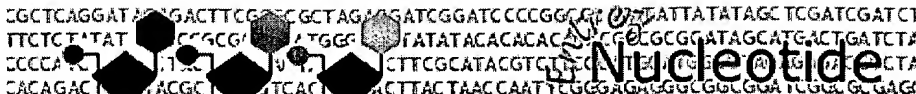
Title: The WashU-Merck EST Project  
Authors: Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P., Wilson,R.  
Year: 1995  
Status: Unpublished

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Show:

☐ 1: D60118. HUM087A05A Clonte...[gi:961757]

[Links](#)

#### IDENTIFIERS

dbEST Id: 335105  
EST name: HUM087A05A  
GenBank Acc: D60118  
GenBank gi: 961757

#### CLONE INFO

Clone Id: GEN-087A05 (3')  
DNA type: cDNA

#### PRIMERS

PolyA Tail: Unknown

#### SEQUENCE

```
AAAACTGAGGGAACCTCATGCTTTAATAGACACTGAAAATCACAAGGRGGAAGGCCAAGT
GCCTTAGCAATCTCAATAAAAAATATGAVGTTCTTTTTACATGGTAAATTTTATAATATAA
MANGTTTAAATGTCTGGVAATGGTGTAAATTTACAAAAMAAGTCCACGTAGGCCAAAGATGG
CTAANNCTGCATATAAGGVACGTGAATSCCAGTGGAAAGGTGTCTGAGGAGGGGCAGGGC
CACAGGTGTCTGACAGGGAACATCTTTGAAGGATCTGGMACAAACAAGGGCCCAGTTCA
CAAACCACAGGTACACTCATTTTAGATAGGMCAGCAGAATAGGTGATGAAATTATACAGT
TTYCACTTGTTCCTACTTACTGAAGCAA
```

Entry Created: Aug 28 1995  
Last Updated: Aug 28 1995

#### LIBRARY

Lib Name: Clontech human fetal brain polyA+ mRNA (#6535)  
Organism: Homo sapiens

#### SUBMITTER

Name: Tsutomu Fujiwara  
Lab: Otsuka GEN Research Institute  
Institution: Otsuka Pharmaceutical Co.,Ltd  
Address: 463-10 kagasuno Kawauchi-cho, Tokushima, Tokushima, 771-01  
Japan  
Tel: 0886-65-2888  
Fax: 0886-37-1035

#### CITATIONS

Title: Fujiwara et al. (1995)  
Authors: Fujiwara,T., Hirano,H., Katagiri,T., Kawai,A., Kuga,Y.,  
Nagata,M., Okuno,S., Ozaki,K., Shimizu,F., Shimada,Y.,  
Shinomiya,H., Takaichi,A., Takeda,S., Watanabe,T., Takahashi  
,E., Hirai,Y., Maekawa,H., Shin,S., Nakamura,Y.  
Year: 1995  
Status: Unpublished

**MAP DATA**

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CGCTCAGGATACGACTTCGGTCGCTAGAGATCGGATCCCCGGGGGATTATTATAGCTCGATCGATC  
TTCTCTATATTCGCGGATGGGATATATACACACACACGCGCGGATAGCATGACTGATCT  
CCCCATCT  
CACAGACTACGCT

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  Show:   ☐ 1: N45300. yz16g09.s1 Soares...[gi:1186466]

Links

**IDENTIFIERS**

dbEST Id: 450829  
EST name: yz16g09.s1  
GenBank Acc: N45300  
GenBank gi: 1186466  
GDB Id: 3901792

**CLONE INFO**

Clone Id: IMAGE:283264 (3')  
Source: IMAGE Consortium, LLNL  
DNA type: cDNA

**PRIMERS**

Sequencing: m13 -40 forward  
PolyA Tail: Unknown

**SEQUENCE**

GACAAAAATAATCTTGTGTTTTATTTTAGATTTCAGATTTTCATTACTGCACTCAAACGACTA  
CAACTGGGCTTGGCGTTATTATACAATCCAACTGTTTCCATCAGAAACGCTAAGACTCA  
GTGTGCAATGATTGTTATTAATAATTAGCTCCTTGGTTTCTTGATAGAAAAAGGCTATCA  
ACAAGCATTTGTTTATCCACAACAAAAGTATAATTAGCTTATCCCACTTAGTAAATCTT  
GTATGCATGCCAACTCATACCAAAGTCTACTTTTACAAAAAAAATTGCAATAATACAG  
TTCATTTTTCCAGTCCTTTTTGCACAAAATTTATTTACAATGTCTACATAAATGCTCCAA  
GGTGGGACTATGAAAAAATACACACATGACCGATGCTTTGCTCAGAAATAAAGTCAACAT  
ATTANAAATAAATCTTCAGTCTATGTTTTAGAGCTGCTTAAACAGGAAGTGATGTATAA  
GGTGGGTGGTTGTGGCATGGGGGACAATGGATGCCTGGATGTGACAATTAGGGCTTCTAA  
ACACACGGNCTTTGGGTTTCCATGCCTCCTNCTACCAGTCTCCTTAAGACCCTGC

Quality: High quality sequence stops at base: 386

Entry Created: Feb 13 1996

Last Updated: Feb 13 1996

**COMMENTS**

This clone is available royalty-free through LLNL ; contact the IMAGE Consortium ([info@image.llnl.gov](mailto:info@image.llnl.gov)) for further information.

**LIBRARY**

Lib Name: Soares\_multiple\_sclerosis\_2NbHMSP  
Organism: Homo sapiens  
Sex: male  
Tissue type: multiple sclerosis lesions  
Develop. stage: Age 46  
Lab host: DH10B (ampicillin resistant)  
Vector: pT7T3D (Pharmacia) with a modified polylinker V\_TYPE:  
phagemid  
R. Site 1: Not I

R. Site 2: Eco RI  
Description: 1st strand cDNA was primed with a Not I - oligo(dT) primer [5' TGTTACCAATCTGAAGTGGGAGCGGCCGCATTTTTTTTTTTTTTTTTTTT 3'], double-stranded cDNA was size selected, ligated to Eco RI adapters (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of a modified pT7T3 vector (Pharmacia). Library went through one round of normalization to a Cot = 5. Library constructed by Bento Soares and M.Fatima Bonaldo. RNA from 4 multiple sclerosis lesions from one patient was kindly provided by Dr. Kevin G. Becker (NINDS/NIH).

**SUBMITTER**

Name: Wilson RK  
Institution: Washington University School of Medicine  
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108  
Tel: 314 286 1800  
Fax: 314 286 1810  
E-mail: [est@watson.wustl.edu](mailto:est@watson.wustl.edu)

**CITATIONS**

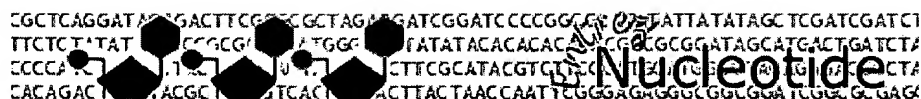
Title: The WashU-Merck EST Project  
Authors: Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P., Wilson,R.  
Year: 1995  
Status: Unpublished

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Boo

ear

## Details

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## Links

dbEST Id: 448123  
EST name: HUM015G10A  
GenBank Acc: D80055  
GenBank qi: 1177932

Clone Id: GEN-015G10 (3')  
DNA type: cDNA

PolyA Tail: Unknown

CCAATTTCAAAAAGTTTTATTTTGAAAGAATGAGAGAAATAAAACAGAGAGGTATCAAT  
 TACCAAGAACAATTACACTGAAGAAAAACAATAATAAGTACTCTCCACACAACCCCCC  
 CCATTTCCCCATCCCTGGCACAATAATATTA AAAACCAACAAAGCACACCTAACAAGGAAA  
 AACACAGTACGTAATGAAAAAAGCAAATGTCCATACTGCTCAGTCCAACCTAACCCTTAT  
 GAAATGTCCTTCCCCCAGCTAAACCTACCCACTGGAATGATAAAGAWATGTAGAGACAA  
 CCCTAGGGGAGACTTGGAACCTCTGCTTATACTAGCAAAGCTCAGTGAAGAATCAGTAAGA  
 GTAGTGAATCTGTTTGGCAGTGAACACTGGATATAGCTTCTTTTTCAAATTTTGATGAT  
 TGCAGAGAACAGGTAGAGTTTGAGGCTCACAGACTTCTAACAGGACTGATCCCTGTTCCC  
 TCAACCGTAACAGTGGGGBAGCTGCCAAATCCTGGGT

Entry Created: Feb 9 1996  
Last Updated: Feb 9 1996

Lib Name: Human fetal brain (TFujiwara)  
Organism: Homo sapiens  
Organ: brain  
Develop. stage: fetal

Name: Tsutomu Fujiwara  
Lab: Otsuka GEN Research Institute  
Institution: Otsuka Pharmaceutical Co.,Ltd  
Address: 463-10 kagasuno Kawauchi-cho, Tokushima, Tokushima, 771-01  
Japan  
Tel: 0886-65-2888  
Fax: 0886-37-1035

Title: Fujiwara et al. (1995)  
Authors: Fujiwara,T., Hirano,H., Katagiri,T., Kawai,A., Kuga,Y.,  
Nagata,M., Okuno,S., Ozaki,K., Shimizu,F., Shimada,Y.,  
Shinomiya,H., Takaichi,A., Takeda,S., Watanabe,T., Takahashi

, E., Hirai, Y., Maekawa, H., Shin, S., Nakamura, Y.  
Year: 1995  
Status: Unpublished

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CGCTCAGGATATGACTTCGCTCCTAGAGATCGGATCCCGGAGATATTATATAGCTCGATCGATC  
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CCCCATCT  
CACAGACTTACGCTTCTCACTTCTTACTAACAATTCGGAGAGGGGCGGCGGATCGGCGGAG

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File

☐ 1: AA227221.zr20f08.s1 Strata...[gi:1848766]

Links

## IDENTIFIERS

dbEST Id: 866536  
EST name: zr20f08.s1  
GenBank Acc: AA227221  
GenBank gi: 1848766  
GDB Id: 5425825

## CLONE INFO

Clone Id: IMAGE:663975 (3')  
Source: IMAGE Consortium, LLNL  
Insert length: 1909  
DNA type: cDNA

## PRIMERS

Sequencing: -41m13 fwd. ET from Amersham  
PolyA Tail: Unknown

## SEQUENCE

CTGAATTAAAGAGATGAATTTATTGGTAAATAGATAAAAATTAACACCTATTTTAAATATAT  
CCAAACCCCTTCCTTATATATATTAGGTAAATTTAAAGAAAAAATTATCAAAGCAATAC  
TACAGCCAGCTAGATCGCCAATTTACAAATGAGTTAAGTAAGTACCATAAGTTTGTGTTGA  
ATATCAGGTGCTTCAGAGTTTTTCTCAAACAGTTACAAAAGAGATTAGGTTCCCAATCAG  
TTCACAAAAGCTAATTTAGAGAATGTAGCTTAACTACAGTACTGAGGTTGTCACACACTT  
AACTTTTCGGTCTCTTGCTTATTTATTTCATATCTGAGGTTCACTGTTTCTACTAGGATACA  
TTCCGCCCCACCCACACCTC

Entry Created: Feb 19 1997  
Last Updated: Mar 11 1998

## COMMENTS

This clone is available royalty-free through LLNL ; contact the IMAGE Consortium ([info@image.llnl.gov](mailto:info@image.llnl.gov)) for further information.

## LIBRARY

Lib Name: Stratagene NT2 neuronal precursor 937230  
Organism: Homo sapiens  
Organ: brain  
Tissue type: neuroepithelial cells  
Develop. stage: Ntera-2 neuroepithelial cells  
Lab host: SOLR (kanamycin resistant)  
Vector: pBluescript SK-  
R. Site 1: EcoRI  
R. Site 2: XhoI  
Description: Cloned unidirectionally. Primer: Oligo dT. Uninduced, exponentially growing neuroepithelial cells (Ntera-2/c1.D1). Average insert size: 1.0 kb; Uni-ZAP XR Vector; ~5' adaptor

sequence: 5' GAATTCGGCACGAG 3' ~3' adaptor sequence: 5'  
CTCGAGTTTTTTTTTTTTTTTTTTT 3'

**SUBMITTER**

Name: Wilson RK  
Institution: Washington University School of Medicine  
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108  
Tel: 314 286 1800  
Fax: 314 286 1810  
E-mail: [est@watson.wustl.edu](mailto:est@watson.wustl.edu)

**CITATIONS**

Title: WashU-NCI human EST Project  
Authors: Hillier,L., Allen,M., Bowles,L., Dubuque,T., Geisel,G., Jost  
,S., Krizman,D., Kucaba,T., Lacy,M., Le,N., Lennon,G., Marra  
,M., Martin,J., Moore,B., Schellenberg,K., Steptoe,M., Tan  
,F., Theising,B., White,Y., Wylie,T., Waterston,R., Wilson  
,R.  
Year: 1997  
Status: Unpublished

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CGCTCAGGATATGACTTCGCTCCTAGAGATCGGATCCCCGGGCTATTATATAGCTCGATCGATC  
TTCTCTATATCGCGGATGGGATATATACACACACACCGCGCGGATAGCATGACTGATCTA  
CCCCATCT  
CACAGACATACGCT

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Show:

☐ 1: N64489.yz90e07.s1 Soares...[gi:1212318]

Links

**IDENTIFIERS**

dbEST Id: 470240  
EST name: yz90e07.s1  
GenBank Acc: N64489  
GenBank gi: 1212318  
GDB Id: 3906180

**CLONE INFO**

Clone Id: IMAGE:290340 (3')  
Source: IMAGE Consortium, LLNL  
DNA type: cDNA

**PRIMERS**

Sequencing: m13 -40 forward  
PolyA Tail: Unknown

**SEQUENCE**

GATTAACATATGTGACTAAATTATATTCAAATTTTATGAACAGAAAATGATATAAATGTTA  
TCAGCTAATAAAGAGATTATCAAAGAGTAAGCAACCAAAACAAGTAGGCCAAAAGCATCA  
GAGAGTAATTAATACAAAGATGATGTTGTTTTCTGGATTTTCATAATGTTTATCATAGTT  
GTCAACTTTTCTCATTCAAAAAAACCTTATTTTTATACCTAATTTTAATTAATAAATTTT  
TCAGTTTGTATTAAAGAGGACTCCCCAAATTATATGAGTTTCCAACCTTCATAAAACCTAA  
ATCTGTCTTTGTTTCATATCAGATAAAAATAGGCCACACAGACTGCCAAGTAGGTACAGTC  
TTGGAAGTGTCTGTGGTGTCTGGACCAAGGTTCACTTGGGCTCTCTCCATGGGTACTTAC  
TGGCCCAAGCCAAAGCTG

Quality: High quality sequence stops at base: 416

Entry Created: Mar 1 1996

Last Updated: Mar 1 1996

**COMMENTS**

This clone is available royalty-free through LLNL ; contact the IMAGE Consortium ([info@image.llnl.gov](mailto:info@image.llnl.gov)) for further information.

**LIBRARY**

Lib Name: Soares\_multiple\_sclerosis\_2NbHMSP  
Organism: Homo sapiens  
Sex: male  
Tissue type: multiple sclerosis lesions  
Develop. stage: Age 46  
Lab host: DH10B (ampicillin resistant)  
Vector: pT7T3D (Pharmacia) with a modified polylinker V\_TYPE:  
phagemid  
R. Site 1: Not I  
R. Site 2: Eco RI  
Description: 1st strand cDNA was primed with a Not I - oligo(dT) primer

[5' TGTTACCAATCTGAAGTGGGAGCGGCCGCAATTTTTTTTTTTTTTTTTTTT 3'], double-stranded cDNA was size selected, ligated to Eco RI adapters (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of a modified pT7T3 vector (Pharmacia). Library went through one round of normalization to a Cot = 5. Library constructed by Bento Soares and M.Fatima Bonaldo. RNA from 4 multiple sclerosis lesions from one patient was kindly provided by Dr. Kevin G. Becker (NINDS/NIH).

**SUBMITTER**

Name: Wilson RK  
Institution: Washington University School of Medicine  
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108  
Tel: 314 286 1800  
Fax: 314 286 1810  
E-mail: [est@watson.wustl.edu](mailto:est@watson.wustl.edu)

**CITATIONS**

Title: The WashU-Merck EST Project  
Authors: Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P., Wilson,R.  
Year: 1995  
Status: Unpublished

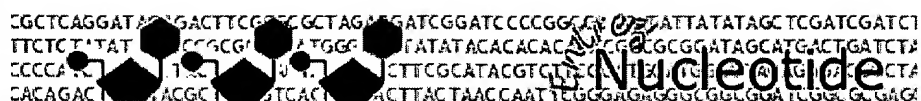
**MAP DATA**

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Jul 8 2003 12:22:35





Boo

## Links

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dbEST Id: 1124075
EST name: zv18d05.s1
GenBank Acc: AA478962
GenBank gi: 2207596
GDB Id: 5976866
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Clone Id: IMAGE:753993 (3')  
Source: IMAGE Consortium, LLNL  
DNA type: cDNA

Sequencing: -41m13 fwd. ET from Amersham  
PolyA Tail: Unknown

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ATATTTTTTAGGCAAAAAG

Quality: High quality sequence stops at base: 249

Entry Created: Jun 19 1997

Last Updated: Aug 8 1997

This clone is available royalty-free through LLNL ; contact the IMAGE Consortium ([info@image.llnl.gov](mailto:info@image.llnl.gov)) for further information.

Lib Name: Soares\_NhHMPu\_S1  
Organism: Homo sapiens  
Organ: mixed (see below)  
Tissue type: Pooled human melanocyte, fetal heart, and pregnant uterus  
Lab host: DH10B  
Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker  
R. Site 1: Not I  
R. Site 2: Eco RI  
Description: Equal amounts of plasmid DNA from three normalized libraries (melanocyte 2NbHM, pregnant uterus NbHPU, and fetal heart NbHH19W) were mixed, and ss circles were made in vitro. Following HAP purification, this DNA was used as tracer in a

subtractive hybridization reaction. The driver was PCR-amplified cDNAs from pools of 5,000 clones made from the same 3 libraries. The pools consisted of I.M.A.G.E. clones 260232-265223, 340488-345479, and 484488-489479.

**SUBMITTER**

Name: Wilson RK  
Institution: Washington University School of Medicine  
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108  
Tel: 314 286 1800  
Fax: 314 286 1810  
E-mail: [est@watson.wustl.edu](mailto:est@watson.wustl.edu)

**CITATIONS**

Title: WashU-Merck EST Project 1997  
Authors: Hillier,L., Allen,M., Bowles,L., Dubuque,T., Geisel,G., Jost ,S., Kucaba,T., Lacy,M., Le,N., Lennon,G., Marra,M., Martin ,J., Moore,B., Schellenberg,K., Steptoe,M., Tan,F., Theising ,B., White,Y., Wylie,T., Waterston,R., Wilson,R.  
Year: 1997  
Status: Unpublished

**MAP DATA**

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TTCTCTATATCCGCGATATGGGATATATACACACACATCGCGCGATAGCATGACTGATCTA  
CCCCATCT  
CACAGACT

PubMed

Nucleotide

Protein

Genome

Structure

PMC

Taxonomy

OMIM

Boo

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Details

Display

default

Show:

20

Send to

File

☐ 1: AA485973. ab11e10.s1 Strata...[gi:2215124]

Links

## IDENTIFIERS

dbEST Id: 1130535  
EST name: ab11e10.s1  
GenBank Acc: AA485973  
GenBank gi: 2215124

## CLONE INFO

Clone Id: IMAGE:840522 (3')  
Source: IMAGE Consortium, LLNL  
Insert length: 967  
DNA type: cDNA

## PRIMERS

Sequencing: -41m13 fwd. ET from Amersham  
PolyA Tail: Unknown

## SEQUENCE

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GTGTGCTATCTATAACAATAAAGATAGTTATATAAAAAATGAAGAGTTCTCCATACCATTA  
TATAAACAGGAGGTTTTACAGGCATTAGTGATACTCTGTTGGACTCAATGGGTTTTTTTC  
TCTCTTATAGCTATGAAAGACTTTATGCCAGTCCAAAATATACAATGTTGAAAGACAGGT  
TTTGAAATAAATATTCTCCCCA

Quality: High quality sequence stops at base: 262

Entry Created: May 29 1997

Last Updated: Mar 5 1998

## COMMENTS

This clone is available royalty-free through LLNL ; contact the IMAGE Consortium ([info@image.llnl.gov](mailto:info@image.llnl.gov)) for further information.

PUTATIVE ID Assigned by submitter  
contains MER30.t3 MER30 repetitive element ;

## LIBRARY

Lib Name: Stratagene lung (#937210)  
Organism: Homo sapiens  
Sex: male  
Organ: lung  
Develop. stage: 72 years  
Lab host: SOLR cells (kanamycin resistant)  
Vector: pBluescript SK-  
R. Site 1: EcoRI  
R. Site 2: XhoI

Description: Cloned unidirectionally. Primer: Oligo dT. normal lung.  
Average insert size: 1.0 kb; Uni-ZAP XR Vector; ~5' adaptor  
sequence: 5' GAATTCGGCACGAG 3' ~3' adaptor sequence: 5'  
CTCGAGTTTTTTTTTTTTTTTTTTT 3'

**SUBMITTER**

Name: Wilson RK  
Institution: Washington University School of Medicine  
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108  
Tel: 314 286 1800  
Fax: 314 286 1810  
E-mail: [est@watson.wustl.edu](mailto:est@watson.wustl.edu)

**CITATIONS**


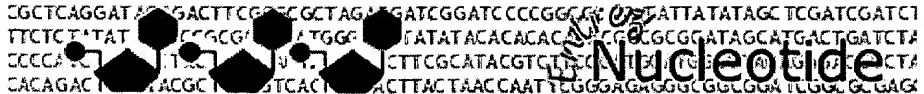
Title: WashU-NCI human EST Project  
Authors: Hillier,L., Allen,M., Bowles,L., Dubuque,T., Geisel,G., Jost  
,S., Krizman,D., Kucaba,T., Lacy,M., Le,N., Lennon,G., Marra  
,M., Martin,J., Moore,B., Schellenberg,K., Steptoe,M., Tan  
,F., Theising,B., White,Y., Wylie,T., Waterston,R., Wilson  
,R.  
Year: 1997  
Status: Unpublished

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PubMed   Nucleotide   Protein   Genome   Structure   PMC   Taxonomy   OMIM   Boo

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Show:

☐ 1: AP000727. Homo sapiens chro...[gi:8118896]

[Links](#)

LOCUS AP000727 153394 bp DNA linear HTG 30-MAY-2000  
 DEFINITION Homo sapiens chromosome 11 clone RP11-679G21 map 11q12, WORKING DRAFT SEQUENCE, 40 unordered pieces.  
 ACCESSION AP000727  
 VERSION AP000727.2 GI:8118896  
 KEYWORDS HTG; HTGS\_PHASE1; HTGS\_DRAFT.  
 SOURCE Homo sapiens (human)  
 ORGANISM Homo sapiens  
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.  
 REFERENCE 1 (bases 1 to 153394)  
 AUTHORS Hattori,M., Ishii,K., Toyoda,A., Taylor,T.D., Hong-Seog,P., Fujiyama,A., Yada,T., Totoki,Y., Watanabe,H. and Sakaki,Y.  
 TITLE Homo sapiens 153,394 genomic DNA of 11q12  
 JOURNAL Published Only in DataBase (1999)  
 REFERENCE 2 (bases 1 to 153394)  
 AUTHORS Hattori,M., Ishii,K., Toyoda,A., Taylor,T.D., Hong-Seog,P., Fujiyama,A., Yada,T., Totoki,Y., Watanabe,H. and Sakaki,Y.  
 TITLE Direct Submission  
 JOURNAL Submitted (16-NOV-1999) Masahira Hattori, The Institute of Physical and Chemical Research (RIKEN), Genomic Sciences Center (GSC); Kitasato Univ., 1-15-1 Kitasato, Sagamihara, Kanagawa 228-8555, Japan (E-mail:hattori@gsc.riken.go.jp, URL:http://hgp.gsc.riken.go.jp/, Tel:81-42-778-9923, Fax:81-42-778-9924)  
 COMMENT On May 31, 2000 this sequence version replaced gi:6997582.  
 ----- Genome Center  
 Center: RIKEN Genomic Sciences Center(GSC)  
 Center code: RIKEN  
 Web site: <http://hgp.gsc.riken.go.jp/>  
 Contact: hattori@gsc.riken.go.jp  
 ----- Project Information  
 Center project name: HumDraft11  
 Center clone name: RP11-679G21  
 ----- Summary Statistics  
 Sequencing vector: PCR products; 100% of reads  
 Chemistry: Dye-terminator ET-amersham; 100% of reads  
 Assembly program: Phrap; version 0.990329  
 Consensus quality: 133607 bases at least Q40  
 Consensus quality: 142217 bases at least Q30  
 Consensus quality: 146720 bases at least Q20  
 Insert size: 149494; sum-of-contigs  
 Quality coverage: 4.03x in Q20 bases; sum-of-contigs  
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 NOTE: This is a 'working draft' sequence. It currently consists of 40 contigs. The true order of the pieces is not known and their order in this sequence record is arbitrary. Gaps between the contigs are represented as runs N, but the exact sizes of the gaps

are unknown. This record will be updated with the finished sequence as soon as it is available and the accession number will be preserved

1	11871	contig of	11871 bp in length
11972	22347	contig of	10376 bp in length
22448	33540	contig of	11093 bp in length
33641	41577	contig of	7937 bp in length
41678	45975	contig of	4298 bp in length
46076	53127	contig of	7052 bp in length
53228	60314	contig of	7087 bp in length
60415	65544	contig of	5130 bp in length
65645	71027	contig of	5383 bp in length
71128	75422	contig of	4295 bp in length
75523	79274	contig of	3752 bp in length
79375	84398	contig of	5024 bp in length
84499	88990	contig of	4492 bp in length
89091	93436	contig of	4346 bp in length
93537	96655	contig of	3119 bp in length
96756	99175	contig of	2420 bp in length
99276	102659	contig of	3384 bp in length
102760	105824	contig of	3065 bp in length
105925	109361	contig of	3437 bp in length
109462	112303	contig of	2842 bp in length
112404	115484	contig of	3081 bp in length
115585	118972	contig of	3388 bp in length
119073	121620	contig of	2548 bp in length
121721	124322	contig of	2602 bp in length
124423	127088	contig of	2666 bp in length
127189	130306	contig of	3118 bp in length
130407	131809	contig of	1403 bp in length
131910	133740	contig of	1831 bp in length
133841	136109	contig of	2269 bp in length
136210	137539	contig of	1330 bp in length
137640	139390	contig of	1751 bp in length
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142594	144234	contig of	1641 bp in length
144335	145850	contig of	1516 bp in length
145951	147405	contig of	1455 bp in length
147506	149002	contig of	1497 bp in length
149103	150523	contig of	1421 bp in length
150624	152235	contig of	1612 bp in length
152336	153394	contig of	1059 bp in length

Sequence updated (26-May-2000).

\* NOTE: This is a 'working draft' sequence. It currently  
 \* consists of 40 contigs. The true order of the pieces  
 \* is not known and their order in this sequence record is  
 \* arbitrary. Gaps between the contigs are represented as  
 \* runs of N, but the exact sizes of the gaps are unknown.  
 \* This record will be updated with the finished sequence  
 \* as soon as it is available and the accession number will  
 \* be preserved.

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*	53128	53227: gap of 100 bp
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*	142594	144234: contig of 1641 bp in length
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\* 145851 145950: gap of 100 bp  
\* 145951 147405: contig of 1455 bp in length  
\* 147406 147505: gap of 100 bp  
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\* 149003 149102: gap of 100 bp  
\* 149103 150523: contig of 1421 bp in length  
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\* 150624 152235: contig of 1612 bp in length  
\* 152236 152335: gap of 100 bp  
\* 152336 153394: contig of 1059 bp in length.

## FEATURES

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## ORIGIN

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Jul 8 2003 12:22:35



are unknown. This record will be updated with the finished sequence as soon as it is available and the accession number will be preserved

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Sequence updated (02-FEB-2000)

Sequence updated (26-May-2000).

\* NOTE: This is a 'working draft' sequence. It currently  
\* consists of 32 contigs. The true order of the pieces  
\* is not known and their order in this sequence record is  
\* arbitrary. Gaps between the contigs are represented as  
\* runs of N, but the exact sizes of the gaps are unknown.  
\* This record will be updated with the finished sequence  
\* as soon as it is available and the accession number will  
\* be preserved.

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